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1 **An integrated platform for reliable multicast support in the regional mobile-IP environment**
Hassan Omar, Tarek Saadawi, Myung Lee
April 2002   ACM SIGMOBILE Mobile Computing and Communications Review, Volume 6 Issu
Publisher: ACM
Full text available: 📄 pdf(167.80 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 22, Citation Count: 1

> Supporting reliable delivery of multicast datagrams, in IP networks, may necessitate the introdu
> and features. Further, considerable additional signaling may be required to support this service.
> efficiently ...

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2 **Analysis and evaluation of mobile IPv6 handovers over wireless LAN**
Nicolas Montavont, Thomas Noël
December 2003 Mobile Networks and Applications, Volume 8 Issue 6
Publisher: Kluwer Academic Publishers
Full text available: 📄 pdf(431.59 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 146, Citation Count: 2

> In this paper, we analyze the IPv6 handover over wireless LANs. Mobile IPv6 is designed to man
> movements between wireless IPv6 networks. Nevertheless, a mobile node cannot receive IP pac
> attachment until the handover ...

> Keywords: IEEE 802.11b, fast mobile IPv6, handovers, mobile IPv6, wireless LAN

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3 **A formal basis for architectural connection**
Robert Allen, David Garlan
July 1997   ACM Transactions on Software Engineering and Methodology (TOSEM), Volum
Publisher: ACM
Full text available: 📄 pdf(463.23 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 248, Citation Count: 150

> As software systems become more complex, the overall system structure—or software architect
> design problem. An important step toward an engineering discipline of software is a formal basi:

analyzing …

Keywords: WRIGHT, formal models, model-checking, module interconnection, software analysi

4 Fast and scalable wireless handoffs in supports of mobile Internet audio
Ramón Cáceres, Venkata N. Padmanabhan
December 1998 Mobile Networks and Applications,   Volume 3 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: pdf(187.08 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 78, Citation Count: 12

Future internetworks will include large numbers of portable devices moving among small wireles
hierarchical mobility management scheme for such networks. Our scheme exploits locality in us
handoff processing …

5 Integrated document caching and prefetching in storage hierarchies based on Markov-chai
Achim Kraiss, Gerhard Weikum
August 1998   The VLDB Journal — The International Journal on Very Large Data Bases,   Vol
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(603.01 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 57, Citation Count: 11

Large multimedia document archives may hold a major fraction of their data in tertiary storage
This paper develops an integrated approach to the vertical data migration between the tertiary,
storage …

Keywords: Caching, Markov chains, Performance, Prefetching, Scheduling, Stochastic modeling

6 Link layer assisted mobile IP fast handoff method over wireless LAN networks
Hidetoshi Yokota, Akira Idoue, Toru Hasegawa, Toshihiko Kato
September 2002 MobiCom '02: Proceedings of the 8th annual international conference on Mobile co
Publisher: ACM
Full text available: pdf(381.56 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 172, Citation Count: 8

The growing popularity of IEEE 802.11 has made wireless LAN a potential candidate technology
wireless access services. Also, by supporting Mobile IP, wireless LAN can meet demands for exp
coverage while maintaining …

Keywords: IEEE 802.11, fast handoff, mobile IP

7 Locating application data across service discovery domains
Paul Castro, Benjamin Greenstein, Richard Muntz, Chatschik Bisdikian, Parviz Kermani, Maria Papa
July 2001   MobiCom '01: Proceedings of the 7th annual international conference on Mobile com
Publisher: ACM
Full text available: pdf(4.38 MB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 53, Citation Count: 5

The bulk of proposed pervasive computing devices such as PDAs and cellular telephones operate
larger infrastructure. To access services within their local environment, these devices participate

protocol ...

8 Wireless integrated network sensors
   G. J. Pottie, W. J. Kaiser
   May 2000   Communications of the ACM, Volume 43 Issue 5
   Publisher: ACM

   Full text available: pdf(303.43 KB) html(40.24 KB) Additional Information: full citation, appendices and supplement terms

   Bibliometrics: Downloads (6 Weeks): 234, Downloads (12 Months): 1557, Citation Count: 202

9 Engineering mobile-agent applications via context-dependent coordination
   Giacomo Cabri, Letizia Leonardi, Franco Zambonelli
   July 2001   ICSE '01: Proceedings of the 23rd International Conference on Software Engineering
   Publisher: IEEE Computer Society

   Full text available: pdf(173.80 KB) Publisher Site Additional Information: full citation, abstract, references, cited by

   Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 24, Citation Count: 2

   Mobility introduces peculiar coordination problems in agent-based Internet applications. First, it
   of an infrastructure based on a multiplicity of local interaction spaces. Second, it may require co

10 Low-loss TCP/IP header compression for wireless networks
   Mikael Degermark, Mathias Engan, Björn Nordgren, Stephen Pink
   October 1997 Wireless Networks, Volume 3 Issue 5
   Publisher: Kluwer Academic Publishers

   Full text available: pdf(534.08 KB)   Additional Information: full citation, abstract, references, index term

   Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 85, Citation Count: 0

   Wireless is becoming a popular way to connect mobile computers to the Internet and other netw
   wireless links will probably always be limited due to properties of the physical medium and regu
   frequencies ...

11 Using dataflow analysis techniques to reduce ownership overhead in cache coherence pro
   Jonas Skeppstedt, Per Stenström
   November 1996 ACM Transactions on Programming Languages and Systems (TOPLAS), Volu
   Publisher: ACM

   Full text available: pdf(284.68 KB)   Additional Information: full citation, abstract, references, index term

   Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 26, Citation Count: 0

   In this article, we explore the potential of classical dataflow analysis techniques in removing ove
   cache coherence protocols for shared-memory multiprocessors. We construct the compiler algor
   of sophistication ...

   Keywords: cache coherence, dataflow analysis, performance evaluation

12

Optimizing the end-to-end performance of reliable flows over wireless links
Reiner Ludwig, Almudena Konrad, Anthony D. Joseph, Randy H. Katz
March 2002   Wireless Networks, Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers
Full text available: pdf(230.41 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 66,   Citation Count: 5

Pure end-to-end error recovery fails as a general solution to optimize throughput when wireless
end-to-end path. It can lead to decreased end-to-end throughput, an unfair load on best-effort r
valuable radio ...

Keywords: TCP, flow differentiation, link ARQ persistency, wireless

13 Beyond the handset: designing for wireless communications usability
Leysia Palen, Marilyn Salzman
June 2002   ACM Transactions on Computer-Human Interaction (TOCHI), Volume 9 Issue 2
Publisher: ACM
Full text available: pdf(225.23 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 29,   Downloads (12 Months): 205,   Citation Count: 7

Service-based wireless devices like wireless telephones require users to interact with aspects of
the hardware and software of the handset. By entering into contractual relationships with servic
network-based ...

Keywords: cell, field study, mobile, qualitative study, social construction of technology, socio-t
usability, wireless telephones

14 A unified wireless LAN architecture for real-time and non-real-time communication services
Sunghyun Choi, Kang G. Shin
February 2000 IEEE/ACM Transactions on Networking (TON), Volume 8 Issue 1
Publisher: IEEE Press
Full text available: pdf(298.12 KB)   Additional Information: full citation, references, cited by, index term:

Bibliometrics: Downloads (6 Weeks): 17,   Downloads (12 Months): 126,   Citation Count: 4

Keywords: MAC protocol, QoS-sensitive communication, admission tests, dynamic time-division
location-dependent errors, polling, priority scheduling, wireless LAN

15 A wireless sensor network For structural monitoring
Ning Xu, Sumit Rangwala, Krishna Kant Chintalapudi, Deepak Ganesan, Alan Broad, Ramesh Govin
November 2004 SenSys '04: Proceedings of the 2nd international conference on Embedded networl
Publisher: ACM
Full text available: pdf(731.28 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 54,   Downloads (12 Months): 432,   Citation Count: 34

Structural monitoring---the collection and analysis of structural response to ambient or forced e
application of networked embedded sensing with significant commercial potential. The first gene
for structural ...

Keywords: Wisden, sensor network, structural health monitoring

16 TCP/IP performance over 3G wireless links with rate and delay variation
Mun Choon Chan, Ramachandran Ramjee
September 2002 MobiCom '02: Proceedings of the 8th annual international conference on Mobile cc
Publisher: ACM
Full text available: pdf(317.14 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 149, Citation Count: 17

> Wireless link losses result in poor TCP throughput since losses are perceived as congestion by T(
> throttling. In order to mitigate this effect, 3G wireless link designers have augmented their syst(
> retransmission ...

> Keywords: 3G wireless, TCP, link and rate variation

17 Location management for mobile commerce applications in wireless Internet environment
Upkar Varshney
August 2003   ACM Transactions on Internet Technology (TOIT), Volume 3 Issue 3
Publisher: ACM
Full text available: pdf(630.00 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 66, Downloads (12 Months): 472, Citation Count: 8

> With recent advances in devices, middleware, applications and networking infrastructure, the wi
> becoming a reality. We believe that some of the major drivers of the wireless Internet will be en
> applications such as mobile ...

> Keywords: Mobile commerce, infrastructure dependability, location management, mobile applic
> Internet, wireless LANs, wireless multicast

18 Self-organized network-layer security in mobile ad hoc networks
Hao Yang, Xiaoqiao Meng, Songwu Lu
September 2002 WiSE '02: Proceedings of the 1st ACM workshop on Wireless security
Publisher: ACM
Full text available: pdf(226.72 KB)   Additional Information: full citation, abstract, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 279, Citation Count: 8

> Protecting the network layer in a mobile ad hoc network is an important research topic in wirele
> describes our unified network-layer security solution in ad hoc networks, which protects both ro
> forwarding functionalities ...

> Keywords: mobile ad hoc networks, self-organized security

19 Controlling unresponsive connections in an active network architecture
Niraj Prabhavalkar, Manish Parashar
July 2003   International Journal of Network Management, Volume 13 Issue 4
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(195.85 KB)   Additional Information: full citation, abstract, references, index term

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 27, Citation Count: 0

> This paper presents the design, implementation and evaluation of Limiting Greedy Connections (
> mechanism for controlling unresponsive connections and minimizing the degradation in network
> bandwidth-greedy applications. ...

20 Mobile IP and the IETF
Charles E. Perkins
April 2002   ACM SIGMOBILE Mobile Computing and Communications Review,   Volume 6 Issue 2
Publisher: ACM
Full text available: pdf(59.51 KB)   Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 38,   Citation Count: 0

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